

What is claimed is:

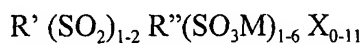
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5 1. A polycarbonate resin composition comprising: (A) about 100 parts by weight of a thermoplastic polycarbonate resin as a base resin, (B) about 2-20 parts by weight of titanium dioxide, and (C) about 0.01-5 parts by weight of a sulfone sulfonate salt.

2. The polycarbonate resin composition of claim 1 wherein the amount of titanium dioxide is about 8-12 parts by weight per 100 parts by weight of the base resin (A).

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A37 3. The polycarbonate resin composition of claim 1 wherein said titanium dioxide is Rutile titanium dioxide with a median particle size of about 0.15-0.25 μ m. *microns in document*

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A1 4. The polycarbonate resin composition of claim 1 wherein said sulfone sulfonate salt is an aromatic or alkyl sulfone sulfonate salt, or the mixture thereof.

15 5. The polycarbonate resin composition of claim 4 wherein said sulfone sulfonate salt is represented by the following formula (II):



20 where X is halo, nitro, trihalomethyl, or cyano radical; M is an alkali or an alkali earth metal; and R' and R'' are respectively an aryl radical having one or two aromatic rings or an aliphatic C₁-C₆ radical, wherein R' and R'' are the same or different.

25 6. The polycarbonate resin composition according to claim 5 wherein the amount of sulfone sulfonate salt is about 0.05-2 parts by weight per 100 parts by weight of the base resin (A).

7. The polycarbonate resin composition according to claim 5 wherein the amount of sulfone sulfonate salt is about 0.05-0.5 parts by weight per 100 parts by weight of the base resin (A).

30 8. The polycarbonate resin compositions according to claim 5 wherein R' and R'' are phenyl.

9. The polycarbonate resin composition according to claim 8 wherein the amount of sulfone sulfonate salt is about 0.05-2 parts by weight per 100 parts by weight of the base resin (A).

10. The polycarbonate resin composition according to claim 8 wherein the amount of sulfone sulfonate salt is about 0.05-0.5 parts by weight per 100 parts by weight of the base resin (A).

11. The polycarbonate resin compositions according to claim 1 wherein the sulfone sulfonate is potassium diphenylsulfone-3-sulfonate, dipotassium diphenylsulfone-3,3'-disulfonate, potassium 4-chloro-3'-(trifluoromethyl)diphenylsulfone-3-sulfonate, sodium diphenylsulfone-3-sulfonate, sodium 4,4'-dibromodiphenylsulfone-3-sulfonate, disodium diphenylsulfone-3,3'-disulfonate and disodium 4,4'-dichlorodiphenylsulfone-3,3'-disulfonate or a mixture thereof.

12. The polycarbonate resin composition according to claim 11 wherein the amount of sulfone sulfonate salt is about 0.05-2 parts by weight per 100 parts by weight of the base resin (A).

13. The polycarbonate resin composition according to claim 11 wherein the amount of sulfone sulfonate salt is about 0.05-0.5 parts by weight per 100 parts by weight of the base resin (A).

14. The polycarbonate resin composition of claim 13 wherein the amount of titanium dioxide is about 8-12 parts by weight per 100 parts by weight of the base resin (A).

15. The polycarbonate resin composition of claim 1 wherein said sulfone sulfonate salt is prepared by mixing potassium diphenylsulfone-3-sulfonate and dipotassium diphenylsulfone-3,3'-disulfonate in the ratio by weight of 75 : 25.

16. The polycarbonate resin composition of claim 1 further comprising:

(D) about 0-30 parts by weight of an impact modifier obtained by polymerizing at least one monomer selected from the group consisting of acrylate monomers and silicone monomers, and then grafting thereon at least one monomer selected from the group consisting of a styrene, an α -methylstyrene, a halogen- or alkyl-substituted styrene, an acrylonitrile, a methacrylonitrile, a

C₁-C₈ alkyl acrylate, a C₁-C₈ alkyl methacrylate, a maleic anhydride, and a C₁-C₄ alkyl- or phenyl-substituted maleimide, and the mixtures thereof.

17. The polycarbonate resin composition of claim 16 wherein said graft copolymer is prepared by grafting styrene and acrylonitrile monomers onto silicone monomers.

18. The polycarbonate resin composition of claim 1 further comprising:

(E) about 0-30 parts by weight of a vinyl copolymer obtained by polymerizing at least one monomer selected from the group consisting of a styrene, an α -methylstyrene, a halogen- or alkyl-substituted styrene, an acrylonitrile, methacrylonitrile, a C₁-C₈ alkyl acrylate, a C₁-C₈ alkyl methacrylate, a maleic anhydride, an alkyl- or phenyl-substituted C₁-C₄ maleimide, and the mixtures thereof.

19. The polycarbonate resin composition of claim 1 further comprising:

(F) about 0-1 parts by weight of a stilbene-bisbenzoxazole derivative per 100 parts by weight of the base resin (A).

20. The polycarbonate resin composition of claim 19 wherein said stilbene-bisbenzoxazole derivative is 4-(benzoxazole-2-yl)-4'-(5-methylbenzoxazole-2-yl) stilbene or 4,4'-bis(benzoxazole-2-yl) stilbene.

21. The polycarbonate resin composition of claim 1 further comprising an olefin polymer impact modifier prepared by polymerizing at least one olefin monomer selected from the group consisting of ethylene, propylene, isopropylene, butylene, and isobutylene or by grafting maleic anhydride onto the olefin polymer, or mixtures thereof.

22. The polycarbonate resin composition of claim 21 wherein the impact modifier is obtained by polymerizing at least one olefin monomer selected from the group consisting of ethylene, propylene, isopropylene, butylene, and isobutylene.

23. The polycarbonate resin composition of claim 21 wherein maleic anhydride is grafted on the olefin polymer.

24. A molded article prepared from the polycarbonate resin composition of claim 1.

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